

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number		
			Filing Date		
			First Named Inventor	Manchao Xiao	
			Art Unit		
			Examiner Name		
Sheet	1	of	3	Attorney Docket Number	06377ZP USA

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
BC		US- 6,350,708 B1	02/26/2002	Kelly T. Hurley	
		US- 6,204,206 B1	03/20/2001	Kelly T. Hurley	
		US- 6,127,287	10/03/2000	Kelly T. Hurley, et al	
		US- 5,939,333	08/17/1999	Kelly T. Hurley, et al	
		US- 6,365,231 B2	04/02/2002	Yuusuke Sato, et al	
		US- 6,146,938	11/14/2000	Shigehiko Saida, et al	
		US- 6,284,583 B1	09/04/2001	Shigehiko Saida, et al	
		US- 5,976,991	11/02/1999	Ravi K. Laxman, et al	
		US- 5,234,869	08/10/1993	Yuuichi Mikata, et al	
BC		US- 5,874,368	02/23/1999	Ravi K. Laxman	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁵
		Country Code ³ Number ⁴ Kind Code ⁶ (if known)				
BC		JP 06132284(English abstract)	05/13/1994	Kawasaki Steel Corp		

Examiner Signature	<u>/Bret Chen/</u>	Date Considered	<u>05/23/2006</u>
-----------------------	--------------------	--------------------	-------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	
				Filing Date	
				First Named Inventor	Manchao Xiao
				Art Unit	
				Examiner Name	
Sheet	2	of	3	Attorney Docket Number	063772P USA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BC		G.E. MCGUIRE, Semiconductor Materials and Process Technology Handbook, Noyes Publication, 1988, pp. 289-301.	
		STANLEY WOLF, Silicon Processing for the VLSI Era, Lattice Press, 1990, Vol. II, pp. 20-22; 327-331.	
		TETSUJI SORITA, Mass Spectrometric and Kinetic Study of Low-Pressure..., J. Elect. Soc., 1994, Vol. 141, pp. 3505-3511.	
		B.A. SCOTT, Preparation of Silicon Nitride with Good Interface Properties..., Chemtronics, 1989, Vol. 4, pp. 231-234.	
		J.M. GROW, Growth Kinetics and Characterization of Low Pressure..., Elsevier Sci., 1995, Mat. Letters 23, pp. 187-193.	
		W.C. Yeh, Low-Temperature Chemical-Vapor-Deposition of Silicon-Nitride..., J. Appl. Phys., 1996, Vol. 35, pp. 1509-1512.	
		ARTHUR K. HOCHBERG, Diethylsilane As A Silicon Source for the Deposition..., Mat. Res. Soc. Symp., 1991, Vol. 204, pp. 509-514.	
		ROY G. GORDON, Silicon Dimethylamido Complexes and Ammonia..., Chem. Mater. 1990, 2, pp. 480-482.	
		Z.I. SERGEEVA, Synthesis of Alkyl- and Dialkyl-Bis-(1,1-Dialkylhydrazino)-Silanes, J. Gen. Chem. of USSR, 1960, Vol. 30, pp. 716-717.	
		Z.I. SERGEEVA, Reaction of Unsymmetrical and Dialkylhydrazines..., J. Gen. Chem. of USSR, 1963, 33, pp. 1823-1826.	
		MARCUS SOLDNER, Isomeric Cyclic Disilanedlyl Dimethylhydrazines, Inorg. Chem., 1998, 37, pp. 601-603.	
		NORBERT MITZEL, Two Different Cyclization Modes in the Formation of Silyhydrazines, Organometallics, 1993, 12, pp. 413-416.	
		NORBERT MITZEL, Cyclic Silyhydrazines and Their Borane Adducts, Inorg. Chem., 1995, 34, pp. 4840-4845.	
BC		SEIICHI TAKAMI, Monolayer Nitridation of Silicon Surfaces by A Dry Chemical..., Appl. Phys. Lett., 1995, 66, (12) pp. 1527-1529.	

BC	DAVID R. LIDE, Handbook of Chem. and Physics, 81 st Edition, 2001, CRC Press, pp. 9-64-9-69.	
----	---	--

Examiner Signature	/Bret Chen/	Date Considered	05/23/2006
-----------------------	-------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.88. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.



PTO/SB/08A (08-03)

Approved for use through 07/31/2008. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/695,379
				Filing Date	10/27/2003
				First Named Inventor	Manchao Xiao
				Art Unit	1762
				Examiner Name	
Sheet	1	of	2	Attorney Docket Number	06377ZP USA

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
BC		Abstract: JP 03 006566A	01/14/1991	Mitsubishi Electric Corp.		✓
BC		Abstract: JP 2000 080476 A	03/21/2000	Toshiba Corp.		✓

Examiner Signature	/Bret Chen/	Date Considered	05/23/2006
-----------------------	-------------	--------------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/695,379
				Filing Date	10/27/2003
				First Named Inventor	Manchao Xiao
				Art Unit	1762
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	06377ZP USA

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
BC		GEORGE GIBSON, et al, "Reaction of Silicon Tetrachloride With N,N-dimethylhydrazine and Hydrazin," Inorg. Chem., 1963, P. 876-8, Vol. 2(4). ABSTRACT	✓
		S.I. SERGEEVA, et al, "Synthesis of Alkyl-and dialkylbis..silanes," Zhurnal Obshchei Khimii, 1960, P. 694-5, Vol. 30(2). ABSTRACT	✓
BC		M.G. VORONKOV, et al, "Silyl Derivatives of Asymmetric Dimethylhydrazine as a ...," Izvestiya Vysshikh Uchebnykh Zavedenii, 2002, P. 57-60, Vol. (4) ABSTRACT	✓

Examiner Signature	/Bret Chen/	Date Considered	05/23/2006
--------------------	-------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office,